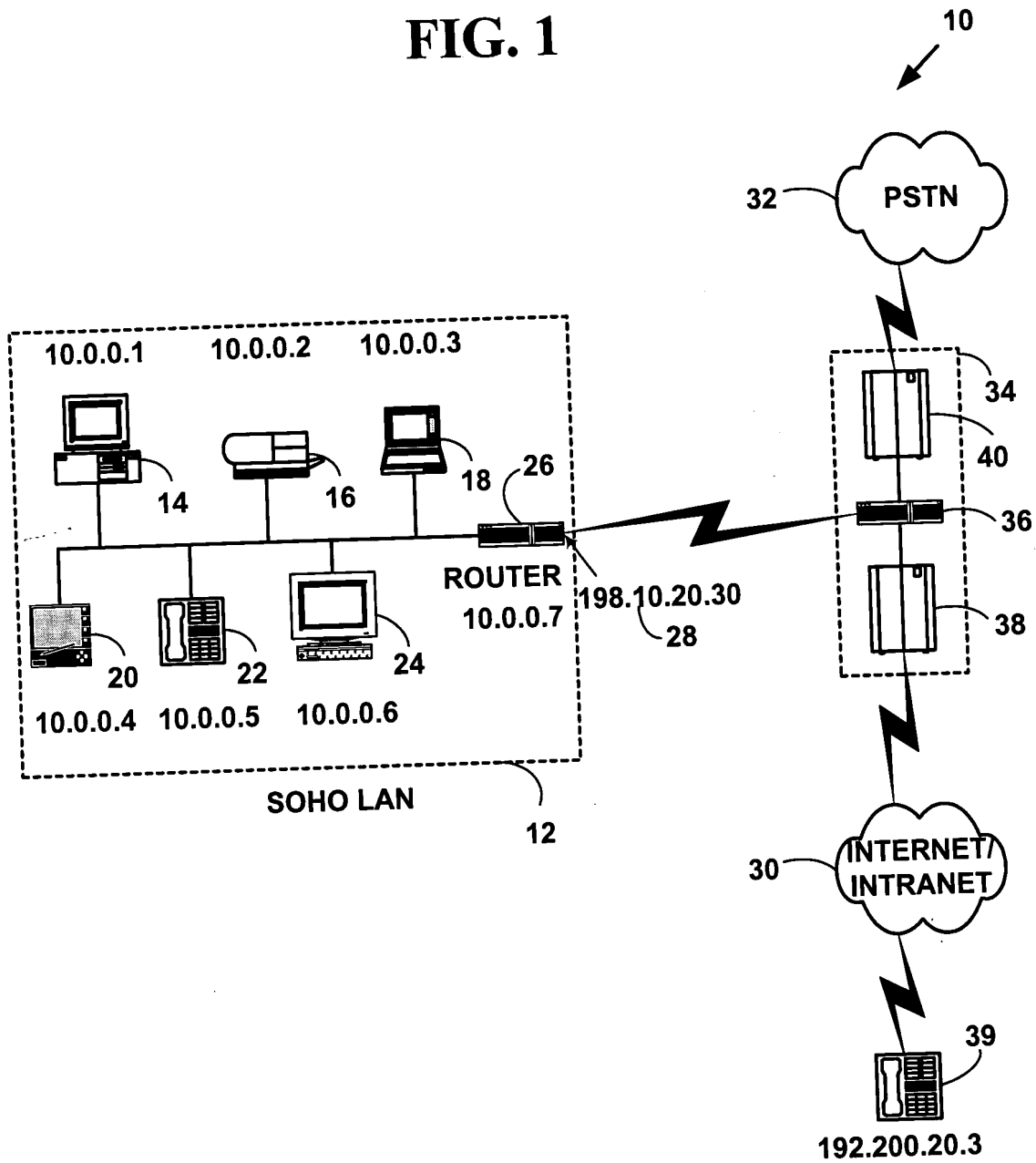


FIG. 1



14

FIG. 2
PROTOCOL STACK

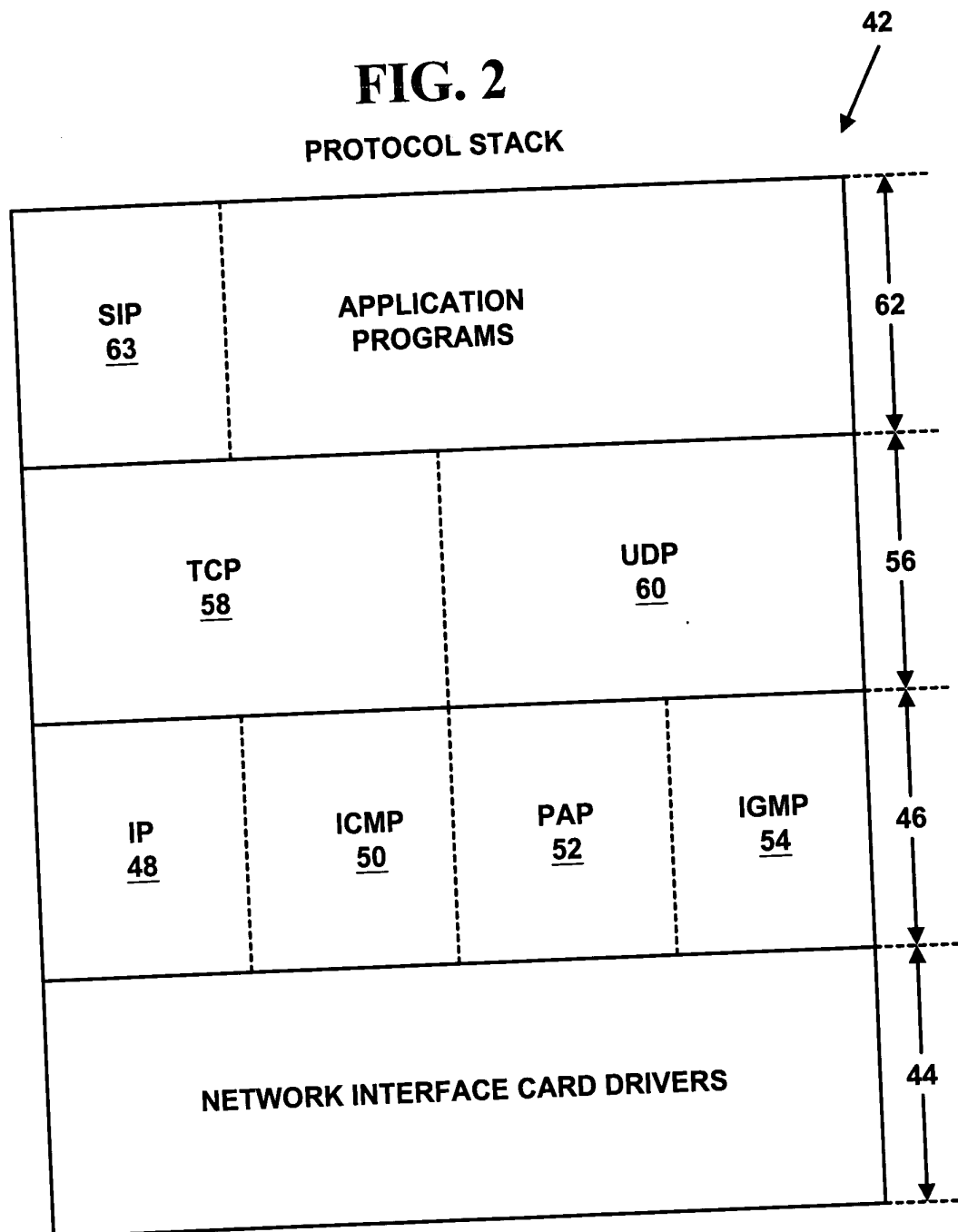


FIG. 3

PORT ALLOCATION PROTOCOL (PAP)

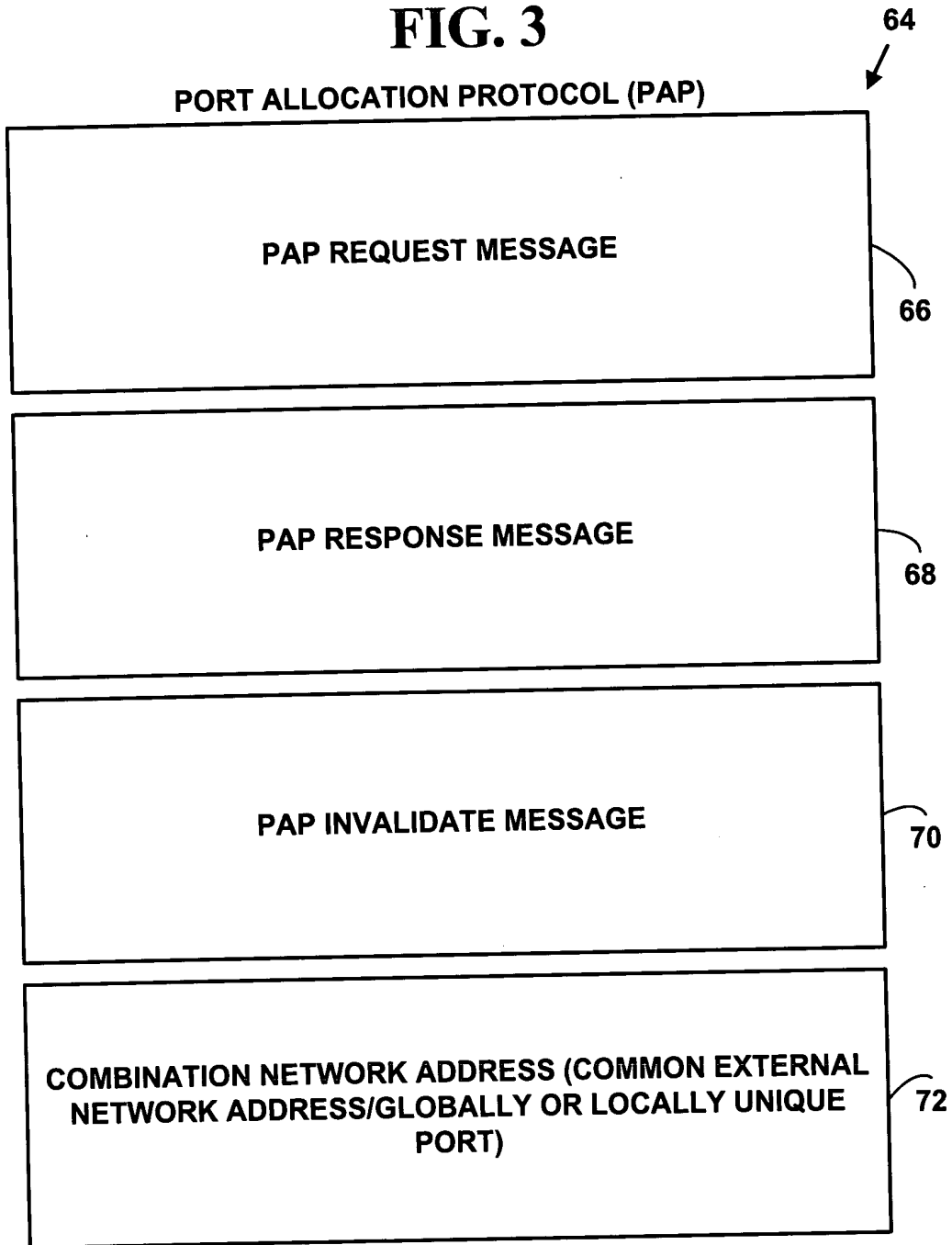


FIG. 4

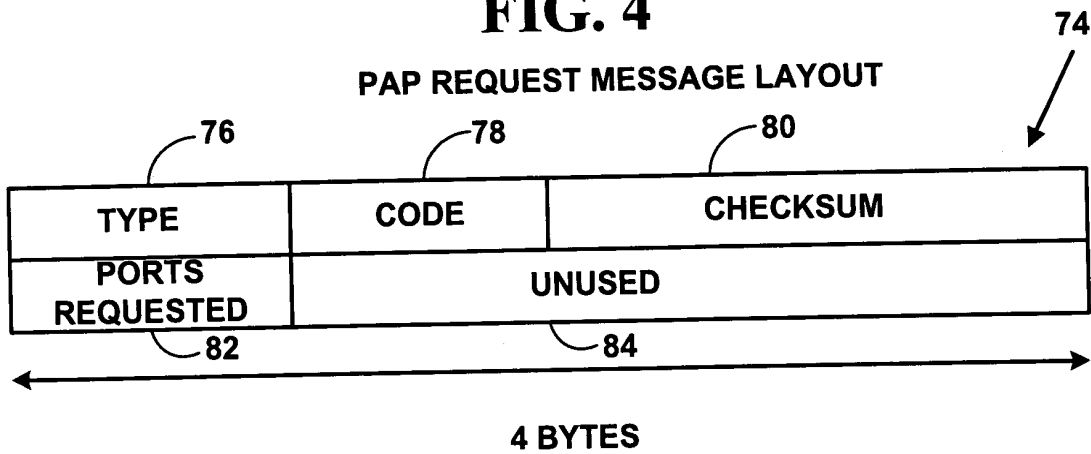


FIG. 5

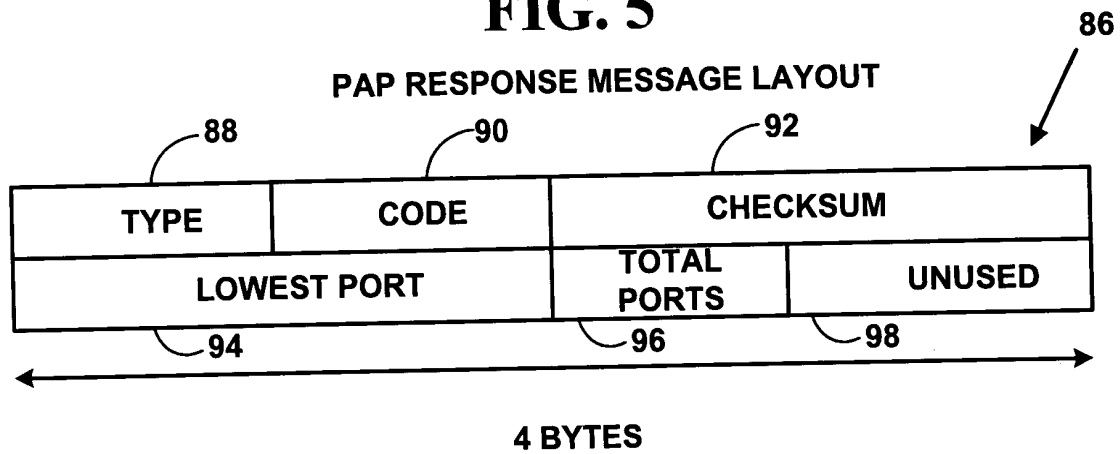


FIG. 6

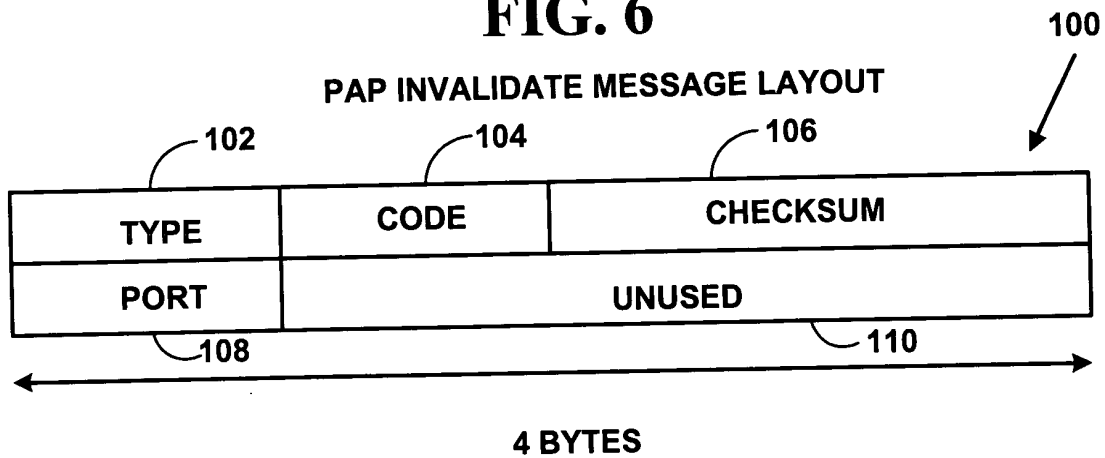


FIG. 7

EXTERNAL NETWORK ADDRESS (e.g., EXTERNAL IP ADDRESS)	GLOBALLY OR LOCALLY UNIQUE PORT
198.10.20.30	1032

COMBINATION NETWORK ADDRESS

FIG. 7 is a table labeled 112, titled "COMBINATION NETWORK ADDRESS". It has two columns. The first column is labeled 114 and contains the text "EXTERNAL NETWORK ADDRESS (e.g., EXTERNAL IP ADDRESS)". The second column is labeled 116 and contains the text "GLOBALLY OR LOCALLY UNIQUE PORT". The first row of data shows the value "198.10.20.30" in the first column and "1032" in the second column.

FIG. 8

INTERNAL NETWORK ADDRESS	LOWEST PORT	NUMBER OF PORTS
10.0.0.5	1026	32
10.0.0.3	1057	16

PORT-TO-INTERNAL-NETWORK
ADDRESS TABLE

FIG. 8 is a table labeled 118, titled "PORT-TO-INTERNAL-NETWORK ADDRESS TABLE". It has three columns. The first column is labeled 120 and contains the text "INTERNAL NETWORK ADDRESS". The second column is labeled 122 and contains the text "LOWEST PORT". The third column is labeled 124 and contains the text "NUMBER OF PORTS". The first row of data shows the value "10.0.0.5" in the first column, "1026" in the second column, and "32" in the third column. The second row of data shows the value "10.0.0.3" in the first column, "1057" in the second column, and "16" in the third column. Dimensions are indicated: 120, 122, and 124 for the columns, and 126 and 128 for the rows.

FIG. 9

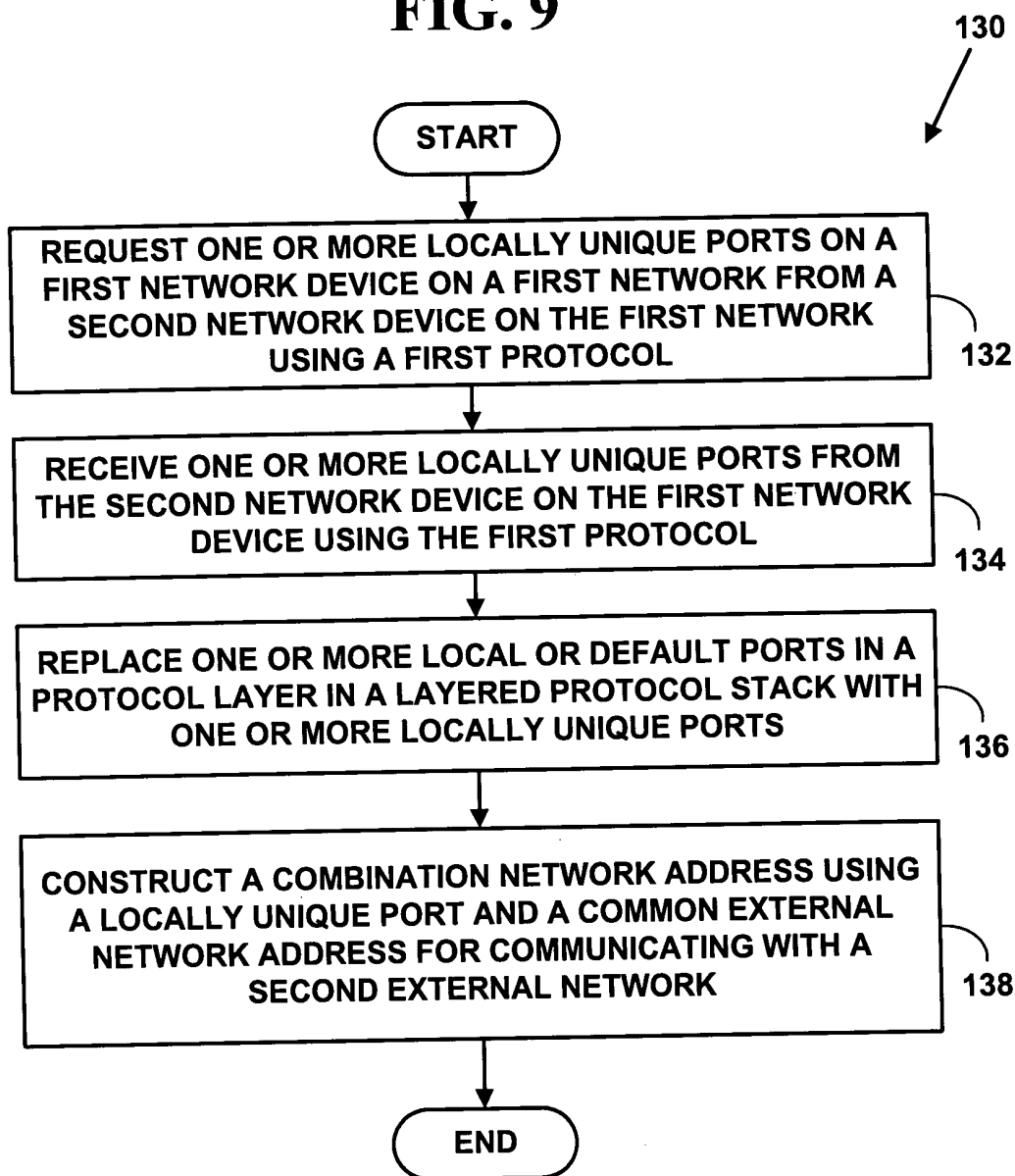


FIG. 10

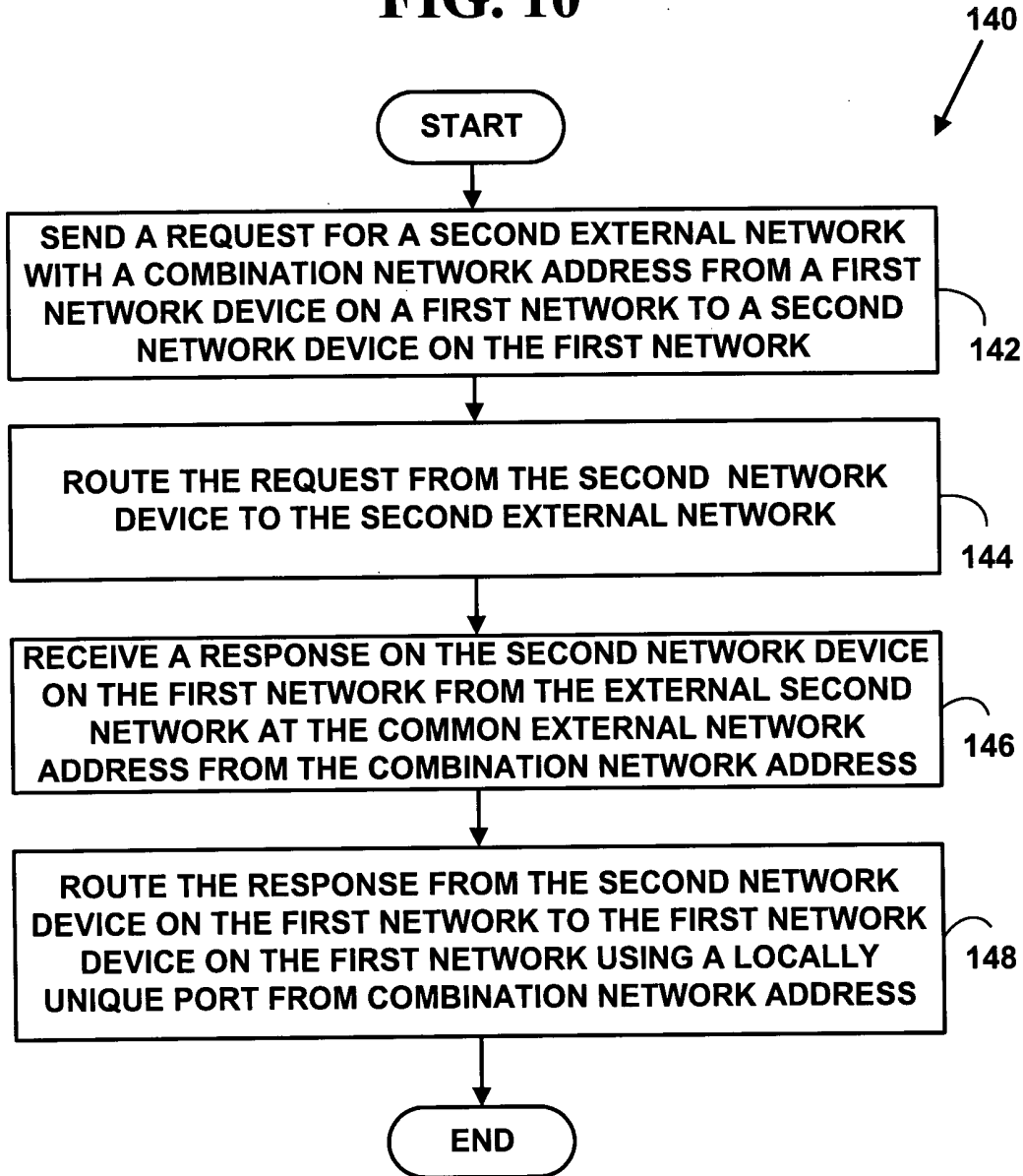


FIG. 11
SOURCE PORT TRANSLATION TABLE
(SPTT)

150

152 LOCAL PORT		154 GLOBAL PORT	
156 PROTOCOL		158 TIMESTAMP	

FIG. 12
IP ADDRESS TRANSLATION TABLE
(IPATT)

160

162 DESTINATION PORT		164 INTERNAL DESTINATION IP ADDRESS	
166 PROTOCOL		168 TIMESTAMP	

FIG. 13

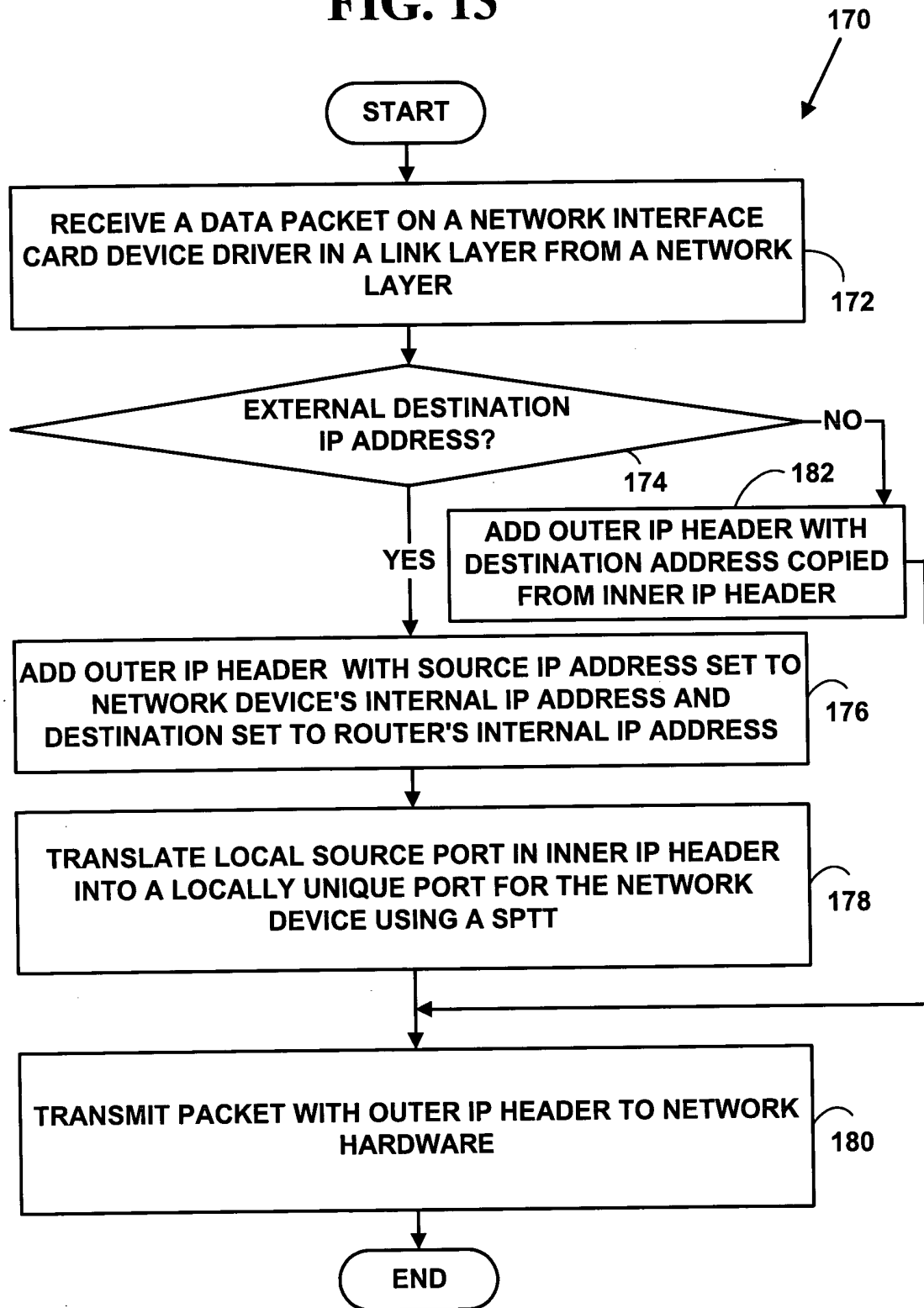


FIG. 14

